Niranjhan SU

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EDUCATION

Shiv Nadar University Chennai ↗   2023 – present | Chennai, India
B.Tech CSE with Specialization in Cyber Security
- **Current CGPA:** 8.4
- **Volunteer Experience:** Volunteered to host a CTF event at the college's Tech fest and developed soft skills, like teamwork and collaboration.
- **Problem Solving and Analytical Skills:** Developed through courses like DSA, Datasbase Mangement and Operating Systems.

CERTIFICATES

Social Networks NPTEL
Learnt about the different aspects of **social interaction** between humans, their **power dynamics** and **graphing** it.

Programming in Modern C++
Learnt about the C++ programming language, its **intricacies** like smart pointers, **OOPS concepts**, and its down sided and **use cases**.

SKILLS

- **Programming** in C/C++, Java, Python, Rust, Javascript, Typescript, HTML and CSS.
- **Web Technologies**: Flask, Django, MongoDB and SQLite
- **Worked** with Git, Linux, Cloud and Virtual Box.
- **Security tools** such as Snyk, Burpsuite, WFuzz, ghidra, GDB, Flare VM and Wireshark

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PROJECTS

Fou - Terminal Text Editor
Implemented in **C,** Fou is a text editor that leverages data structures such the piece table to function as a text editor in your **terminal**, like vim and nano. I learned how to **implement data structures**, how to handle when the UI and the data differ and **memory management** in C.

Rasca - 3D Ray Tracer
Made a ray tracer in **C++** completely from scratch with **no dependencies**, implementating knowledge learned in the **Programming in C++ NPTEL Course**

Wombra - Webnovel Viewer for Web and Mobile
Web and Mobile app which uses the **Beautiful Soup** in python to **scrape** webnovel content and **frameworks** such as **android studio** and **Vite** to make apps to display the contents for offline reading.

Truska - Traffic Sniffer
A Traffic Sniffer made in **Rust** to read packet data for a context-aware **firewall** implementation for **SIH-24**.

AWARDS

Top 1% in Tryhackme ↗
Achieved top 1% ranking on TryHackMe, demonstrating **perseverance**, strong skills in **cyber security** challenges and **practical problem-solving**.

2nd Place in Enigma Quest CTF   01 Mar 2024
SSN College of Engineering

3rd Place in Password CTF   29 Jan 2024
VIT Chennai, Linux Club